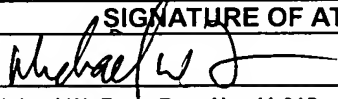
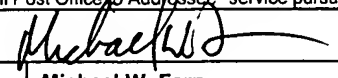

 MAY 10 2004

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0001/PTO Rev. 10/95		U.S. Department of Commerce Patent and Trademark Office		
TRANSMITTAL FORM <i>(to be used for all correspondence during pendency of filed application)</i>		Application Number	10/765,578	
		Filing Date	January 26, 2004	
		First Named Inventor	Robert A. York	
		Group Art Unit Number	2811	
		Examiner Name	Not yet known	
Total Number of Pages in This Submission		6	Attorney Docket Number	22994-08791

ENCLOSURES <i>(check all that apply)</i>	
<input type="checkbox"/> Fee Transmittal Form (in duplicate) <input type="checkbox"/> Check Enclosed <input checked="" type="checkbox"/> Return Receipt Postcard <input type="checkbox"/> Response to Notice to File Missing Parts <input type="checkbox"/> Assignment & Recordation Cover Sheet <input type="checkbox"/> Declaration <input type="checkbox"/> Power of Attorney <input type="checkbox"/> Application Data Sheet <input checked="" type="checkbox"/> Information Disclosure Statement & PTO/SB/08A <input type="checkbox"/> Copies of IDS Cited References <input type="checkbox"/> Request for Corrected Filing Receipt <input type="checkbox"/> Request for Correction of Recorded Assignment <input type="checkbox"/> Amendment/Response: [] Page(s) <input type="checkbox"/> After Final <input type="checkbox"/> Status Request <input type="checkbox"/> Revocation and Substitute Power of Attorney	<input type="checkbox"/> Issue Fee Transmittal <input type="checkbox"/> Letter to Chief Draftsperson <input type="checkbox"/> Formal Drawing(s): [] Sheet(s) of Figure(s) [] <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
REMARKS:	

SIGNATURE OF ATTORNEY OR AGENT			
Signature:			
Attorney/Reg. No.:	Michael W. Farn, Reg. No. 41,015	Dated:	May 5, 2004

CERTIFICATE OF MAILING			
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Robert A. York
APPLICATION NO.: 10/765,578
FILING DATE: January 26, 2004
TITLE: Voltage-Variable Capacitor with Increased Current Conducting Perimeter
EXAMINER: Not yet known
GROUP ART UNIT: 2811
ATTY. DKT. NO.: 22994-08791

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Dated: May 5, 2004

By: Michael W. Farn
Michael W. Farn, Reg. No. 41,015

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INFORMATION DISCLOSURE STATEMENT

Under 37 CFR §§ 1.56 and 1.97-98

SIR:

Pursuant to the provisions of 37 CFR §§ 1.56 and 1.97-98, enclosed herewith is modified form PTO/SB/08A listing references for consideration by the Examiner.

The filing of this Information Disclosure Statement shall not be construed as a representation regarding the completeness of the list of references, or that inclusion of a reference in this list is an admission that it is prior art or is pertinent to this application, or that a search has been made, or as an admission that the information listed is, or may be considered to be, material to patentability, or that no other material information exists, and shall not be construed as an admission against interest in any manner.

This Information Disclosure Statement is being filed:

- ☒ within three months of the filing date of the application, or date of entry into the national stage of an international application, or before the mailing date of a first office action on the merits, whichever event last occurred;

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- ☐ before the mailing of a first official action after the filing of a request for continued examination (RCE) under 37 CFR § 1.114;
- ☐ after three months of the filing date of this national application or the date of entry of the national stage in an international application, or after the mailing date of the first official action on the merits, whichever event last occurred, but before the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; or (2) an action that otherwise closes prosecution in the application, and:
 - ☐ attached hereto is the fee set forth under 37 CFR § 1.17(p) for submission of this Information Disclosure Statement under 37 CFR § 1.97(c); OR
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; OR
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement;
- ☐ on or before the payment of the issue fee but after the mailing date of the first to occur of either: (1) a final action under 37 CFR § 1.113; (2) a notice of allowance under 37 CFR § 1.311; or (3) an action that otherwise closes prosecution in the application, and:
 - ☐ Applicant certifies pursuant to 37 CFR § 1.97(e) that:
 - ☐ each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
 - ☐ no item of information contained in this Information Disclosure Statement was cited in a communication from a

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foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated under 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; AND

- ☐ attached hereto is the fee set forth under 37 CFR §1.17(p) for submission of this Information Disclosure Statement under 37 CFR. § 1.97(c); OR
- ☐ after the payment of the issue fee. Applicant requests that the information contained in this Information Disclosure Statement be placed in the file according to 37 CFR § 1.97(i), although the information may not be considered by the USPTO.
- ☒ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application No. 10/144,185, filed on May 10, 2002, and the references cited therein are hereby referenced, but are not required to be provided in this application under 37 CFR § 1.98(d).
- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not received by any individual designated in 37 CFR § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement. 37 CFR § 1.704(d).
- ☒ Applicant submits that no fee is required for the consideration of this Information Disclosure Statement.

Consideration of the listed references and favorable action are solicited.

Respectfully submitted,
ROBERT A. YORK

Dated: May 5, 2004

By: 
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****Complete if Known**

Application No.	10/765,578
Filing Date	January 26, 2004
First Named Inventor	Robert A. York
Art Unit	2811
Examiner Name	Not yet known
Attorney Docket Number	22994-08791

Sheet 1 of 2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No. Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		US-5,721,700	02-24-1998	Katoh
		US-6,077,737	06-20-2000	Yang et al.
		US-6,300,654 B1	10-09-2001	Corvasce et al.
		US-6,383,858 B1	05-07-2002	Gupta et al.
		US-6,432,794 B1	08-13-2002	Lou
		US-6,452,776 B1	09-17-2002	Chakravorty

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
		Acikel, Baki et al., "A New High Performance Phase Shifter using (Ba _x Sr _{1-x} TiO ₃ Thin Films," <i>IEEE Microwave and Wireless Components Letters</i> , Vol. 12, No. 7, July 2002, pages 237-239.	
		Erker, Erich G. et al., "Monolithic Ka-Band Phase Shifter Using Voltage Tunable BaSrTiO ₃ Parallel Plate Capacitors," <i>IEEE Microwave and Guided Wave Letters</i> , Vol. 10, No. 1, January 2000, pages 10-12.	
		Liu, Yu et al., "BaSrTiO ₃ Interdigitated Capacitors for Distributed Phase Shifter Applications," <i>IEEE Microwave and Guided Wave Letters</i> , Vol. 10, No. 11, November 2000, pages 448-450.	
		Liu, Yu et al., "High-performance and Low-cost Distributed Phase Shifters Using Optimized BaSrTiO ₃ Interdigitated Capacitors," Electrical and Computer Engineering Dept., Materials Dept., University of California at Santa Barbara, Santa Barbara, CA 93106, 14 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <URL: http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm >.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.

Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.



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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application No.	10/765,578
				Filing Date	January 26, 2004
				First Named Inventor	Robert A. York
				Art Unit	2811
				Examiner Name	Not yet known
Sheet	2	of	2	Attorney Docket Number	22994-08791

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶	
		Padmini, P. et al., "Realization of High Tunability Barium Strontium Titanate Thin Films by RF Magnetron Sputtering," <i>Applied Physics Letters</i> , Vol. 75, November 1999, pages 3186-3188.		
		Serraiocco, J. et al., "Tunable Passive Integrated Circuits Using BST Thin Films," presented at IFFF 2002, International Joint Conference on the Applications of Ferroelectrics, Kyoto, Japan, May 2002, 10 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <URL: http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm >.		
		Taylor, T.R. et al., "Impact of thermal strain on the dielectric constant of sputtered barium strontium titanate thin films," <i>Applied Physics Letters</i> , Vol. 80, No. 11, 18 March 2002, pages 1978-80.		
		Taylor, T.R. et al., "Optimization of RF Sputtered Barium Strontium Titanate (BST) Thin Films for High Tunability," presented at MRS Conference, Fall 1999, 2 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <URL: http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm >.		
		Taylor, T.R. et al., "RF Sputtered High Tunability Barium Strontium Titanate (BST) Thin Films for High Frequency Applications," presented at ISIF 2000 Conference, Aachen, Germany, March 2000, 2 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <URL: http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm >.		
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		York, Robert A. et al., "Thin-Film Phase Shifters for Low-Cost Phased Arrays," presented at Workshop on Affordability and Cost Reduction for Radar Systems, Huntsville, Alabama, April 2000 and at URSI Conference, Salt Lake City, Utah, July 2000, 10 pages [online], [retrieved on 2003-06-24]. Retrieved from the Internet <URL: http://my.ece.ucsb.edu/yorklab/Publications/pubs.htm >.		

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